Connecting Tubing Between Indoor And Outdoor Units - Sanyo Mini ECO-i SPW-ASR74GXH56(A/B) Installation Instructions Manual

System air conditioner

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05-194 5/27/05

Caution Before Connecting Tubes Tightly

- (1) Apply a sealing cap or water-proof tape to prevent dust or water from entering the tubes before they are used.
- (2) Be sure to apply refrigerant lubricant to the matching surfaces of the flare and union before connecting them together. This is effective for reducing gas leaks. (Fig. 5-4)
- (3) For proper connection, align the union tube and flare tube straight with each other, then screw in the flare nut lightly at first to obtain a smooth match. (Fig. 5-5)

Adjust the shape of the liquid tube using a tube bender at the installation site and connect it to the liquid tubing side valve using a flare.

Cautions During Brazing



Replace air inside the tube with nitrogen gas to prevent copper oxide film from forming during the brazing process. (Oxygen, carbon dioxide and Freqn are not acceptable.)

Do not a low the tubing to get too hot during brazing. The nitrogen gas inside the tubing may overheat, causing refrigerant system valves to become damaged. Therefore allow the tubing to cool when brazing.

Use a reducing valve for the nitrogen cylinder. Do not use agents intended to prevent the formation of oxide film. These agents adversely affect the refrigerant and refrigerant oil, and may cause damage or malfunctions.

5-2. Connecting Tubing Between Indoor and Outdoor Units

- (1) Tightly connect the indoor-side refrigerant tubing extended from the wall with the outdoor-side tubing.
- (2) To fasten the flare nuts, apply specified torque as at right:

When removing the flare nuts from the tubing connections, or when tightening them after connecting the tubing, be sure to-use 2 monkey wrenches or spanners as shown. (Fig. 5-6)

If the flare nuts are over-tightened, the flare may be damaged, which could result refrigerant leakage and cause in injury or asphyxiation to room occupants.

For the flare nuts at tubing connections, be sure to use the flare nuts that were supplied with the unit, or else flare nuts for R410A (type 2). The refrigerant tubing that is used must be of the correct wall thickness as shown in the table at right.

Page 31 Apply refrigerant lubricant here and here

Fig. 5-4 Union

Fig. 5-5
Torque wrench
Indoor unit

Fig. 5-6 Tightening torque,

Tube diameter approximate

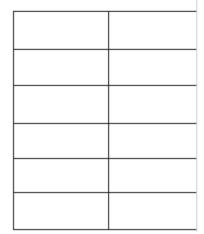
14 - 18 N φ 6.35 (1/4") (140 - 180 kgf 34 - 42 N φ 9.52 (3/8") (340 - 420 kgf 49 - 61 N φ 12.7 (1/2") (490 - 610 kgf 68 - 82 N φ 15.88 (5/8") (680 - 820 kgf

100 - 120 N φ 19.05 (3/4")









(1000 - 1200 kgf Because the pressure is approximately 1.6 times higher than conventional refrigerant pressure, the use of ordinary flare nuts (type 1) or thin-walled tubes may result in tube rupture, injury, or asphyxiation caused by refrigerant leakage. In order to prevent damage to the flare caused by over-tightening of the flare nuts, use the table above as a guide when tightening. When tightening the flare nut on the liquid tube, use a monkey wrench with a nominal handle length of 200 mm. 31 Flare nut Spanner Outdoor unit Tube thickness 0.8 mm cm) m 0.8 mm cm) m 0.8 mm cm) m 1.0 mm cm) m 1.0 mm cm) **Table of Contents**

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<u>Air Conditioner Sanyo SPW-CR365GXH56 Technical Data Manual</u>

Mini eco-i system (346 pages)

Air Conditioner Sanyo SPW-X483GH56 Installation Instruction

Eco multi system air conditioner (91 pages)

Air Conditioner Sanyo 2-WAY ECO-i SPW-C0705DXHN8 Service Manual

Multi system (143 pages)

Air Conditioner Sanyo PW-UMR184EXH56 Installation And Operation

Manual

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Air Conditioner Sanyo ECOi C0705DXHN8 Brochure & Specs

2 and 3 pipe electric vrf systems (10 pages)

Air Conditioner Sanyo MINI ECO-i SPW-CR365GXH56B Service Manual

(252 pages)

Air Conditioner Sanyo SPW-X253G56 Service Manual

Split system (72 pages)

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Manual

W-eco multi system series (377 pages)

Air Conditioner Sanyo SPW-XR254EH56 Installation And Operation

<u>Manual</u>

Dc inverter air conditioner (40 pages)

Related Content for Sanyo Mini ECO-i SPW-ASR74GXH56(A/B)

COOL Connecting Tubing Between Indoor And Outdoor Units

Sanyo COOL

XHS1271 Connecting Tubing Between Indoor And Outdoor Units

Sanyo XHS1271

XS1872 Connecting Tubing Between Indoor And Outdoor Units

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Sanyo 18KHS72

09KHS71 Connecting Tubing Between Indoor And Outdoor Units

Sanyo 09KHS71

<u>CH3082 Connecting Tubing Between Indoor And Outdoor Units</u>

Sanyo CH3082

This manual is also suitable for:

Mini eco-i spw-asr94gxh56(a/b)Mini eco-i spw-asr124gxh56(a/b)Mini eco-i spw-ldr94gxh56(a/b)Mini eco-i spw-ldr124gxh56(a/b)Mini eco-i spw-ldr124gxh56(a/b)Mini eco-i spw-ldr254gxh56(a/b) ... Show all